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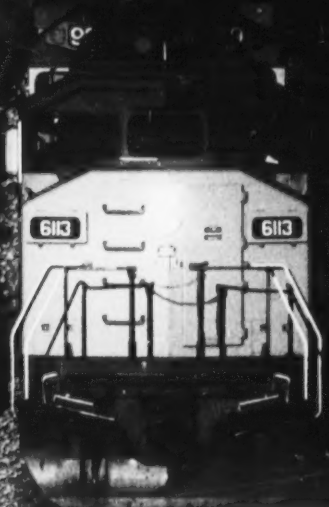
February 1992

Railway Age

Incorporating Modern Railroads

Better bearings for higher speeds and heavier loads

Union Pacific's quest for quality



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1992 Light Rail Planner's Guide

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Market Outlook

Equipment

CN North America: Placed a $24 million (C) order with National Steel Car for 347 new and rebuilt autocarriers, to be outfitted with multi-level racks and enclosures by Thrall Car.

CP Rail: Took delivery in January of 400 new 48-foot containers from Provincial Trailer Rentals Inc. of Mississauga.

Burlington Northern: Will buy 500 jumbo covered hopper cars for second quarter delivery. Like 1,000 cars acquired in 1990, these cars will have 286,000-pound weight-on-rail rating, allowing them to carry about 11 tons more lading than can be handled in a standard jumbo car. BN expected to go out for bids by Feb. 1.

Union Switch & Signal: Has been awarded contracts to supply the Union Pacific Railroad, the Chicago Transit Authority, and the Massachusetts Bay Transit Authority with its microprocessor-based cab signaling systems (Microcab™). UP ordered Microcab sets for new locomotives being produced by General Motors Diesel Division and GE Transportation Systems; value of the two contracts is $2 million. A $4 million CTA contract calls for Microcab sets with an option for additional installations in vehicles being produced by Morrison Knudsen. The MBTA contract, also valued at $4 million, is for more than 100 Microcab sets for transit cars being built by Bombardier.

Facilities

VIA Rail: Awarded a contract to Denver-based PS Technology, Inc., a subsidiary of Rio Grande Industries, for an automated crew scheduling and timekeeping system. Installation of VIA's SCAT (System Crew Assignment and Tracking) is scheduled for June. Similar systems are in operation on Denver & Rio Grande Western, Southern Pacific, Kansas City Southern, Soo Line, Grand Trunk Western, Illinois Central, Montana Rail Link, Norfolk Southern, Canadian Pacific, and NJ Rail Transit.

Newark International Airport: Work began in January on a $378 million monorail system with initial contracts awarded to Terminal Construction Corp. of Wood Ridge, N.J., $16.9 million for four parking lot stations; Omni of New York City and Vanessa Construction of New City, N.Y., $14.9 million for monorail station in each of three terminals; and Trumid Construction Co. of Ardsley, N.Y., $8.8 million for a maintenance and control facility.

Capital Expenditures

Norfolk Southern: NS's 1992 rail capital expenditures budget totals $739.9 million, a 10.5% increase over the $669.5 million initially budgeted for 1991. The new budget comprises $570.3 million in new projects and $169.9 million carried over from projects authorized in previous years. Roadway improvements in 1992 will accounts for $519.1 million, of which $250.5 million will go for new rail and new cross ties. Also included is $29.7 million for new intermodal terminals. Equipment investment will total $220.8 million, including $68.5 million for 50 new locomotives, $42.9 million for new freight cars, and $67.2 million for freight car rehabilitation.

Revenue Freight Carloadings

Commodity	Jan. 18 week	Jan. 11 week	Jan. 4 week	Dec. 28 week	Dec. 21 week
Grain	27,864	31,424	25,134	23,187	32,036
Other farm products	1,665	1,511	1,165	1,280	2,180
Metallic ores	13,935	14,181	14,004	16,737	16,741
Coal	122,771	125,917	100,249	85,941	133,964
Crushed stone, sand and gravel	8,958	10,432	8,075	4,912	10,210
Nonmetallic minerals	7,364	7,913	7,071	6,559	8,157
Grain mill products	10,417	10,466	9,057	8,873	10,491
Food and kindred products	9,109	9,103	6,817	6,433	9,553
Primary forest products	8,921	9,839	7,969	5,325	10,242
Lumber and wood products	5,776	5,541	4,069	3,376	5,597
Pulp, paper and allied products	10,489	10,812	11,692	11,022	9,536
Chemicals and allied products	28,958	28,943	26,843	22,277	29,385
Petroleum products	5,036	5,230	4,260	3,839	5,429
Stone, clay and glass products	7,662	7,975	6,551	5,275	7,045
Coke	5,666	5,355	5,437	5,503	5,166
Metals and products	10,054	10,099	8,708	7,183	9,747
Motor vehicles and equipment	14,481	11,975	4,501	4,236	16,080
Waste and scrap materials	8,191	8,475	5,361	4,447	8,105
All other carloads	5,757	6,037	4,018	3,289	6,419
Total Cars Loaded	**313,076**	**321,228**	**280,981**	**229,704**	**336,085**
% change from previous year	(3.6)	4.0	9.9	15.0	7.0

		%change
Cumulative total: 3 weeks	894,314	2.7

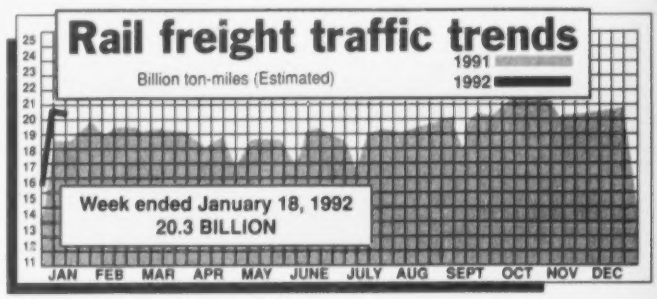
Estimated revenue ton-miles (billions)	20.3	20.7	16.7	14.1	21.0
% change from previous year	(.5)	6.7	12.8	16.5	9.4

Total:	**1991**	**1990**	**% change**
3 weeks	57.7	54.6	5.7

Intermodal Traffic

	Jan. 18	Jan. 11	Jan. 4	Dec. 28	Dec. 21
Trailers	58,814	57,341	41,105	39,003	67,772
Containers	62,258	64,651	47,176	43,319	63,035
Total	**121,072**	**121,992**	**88,281**	**82,322**	**130,807**
% change from previous year	2.6	1.9	5.4	.9	5.2

		% change
Cumulative total: 3 weeks	331,345	3.1



Source: Association of American Railroads